

20020630.qrp v02_n602.qrl.20020630

Date: Sun, 30 Jun 2002 19:03:05 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2602

QRP-L Digest 2602

Topics covered in this issue include:

- 1) [128768] RE: VX0 freq shift problem
by Nick Kennedy <nkennedy@tcainet.net>
- 2) [128769] "all or none" QRP rule
by "Alan Kaul" <alan.kaul@worldnet.att.net>
- 3) [128770] Re: FD: Anger over "all or none" QRP rule
by "Scott Rosenfeld [N7JI]" <ham@w3eas.umd.edu>
- 4) [128771] Re: VX0 freq shift problem
by "Michael C. Boatright" <ko4wx@mindspring.com>
- 5) [128772] Re: OT: Shipping rigs overseas
by Ed Tanton <n4xy@earthlink.net>
- 6) [128773] SUPERFEST 2002 Update: Super Sizing the Main Door Prizes
by "Rod N0RC" <rod@n0rc.us>
- 7) [128774] Re: Ham Radio SW for the Mac Qs
by John Rollins <kd7bcy@teleport.com>
- 8) [128775] End fed wire
by "Karl F. Larsen" <k5di@zianet.com>
- 9) [128776] Electronics 100 Project
by Chuck Adams <k7qo@earthlink.net>
- 10) [128777] Four Band K1 and antenna (Test Session) [Long]
by "Ron Polityka" <wb3aal@fast.net>
- 11) [128778] KD1JV on the AT in ME?
by Chris Cartwright <ccart@phideaux.com>
- 12) [128779] Round key/paddle dust covers
by ARDUJENSKI@aol.com
- 13) [128780] Re: VX0 freq shift problem
by "Joe Everhart" <n2cx@voicenet.com>
- 14) [128781] Re: [fpqrp] VX0 freq shift problem
by "Ian C. Purdie" <ianpurdie@integritynet.com.au>
- 15) [128782] Re: FD: Anger over "all or none" QRP rule
by Larry Cahoon <lejek@erols.com>
- 16) [128783] Re: VX0 Jumps
by George Gingell <k3tks@u1.abs.net>
- 17) [128784] Re: [fpqrp] VX0 freq shift problem
by "Dennis Ponsness" <wb0wao@hotmail.com>
- 18) [128785] Subj: RE: Antenna idea feedback pse
by W2SH@aol.com
- 19) [128786] RE: VX0 freq shift problem

- by W2SH@aol.com
- 20) [128787] embedded research
by Edgar R Guillot <n5ed@juno.com>
 - 21) [128788] RE: embedded research
by Conrad Weiss <radman@best.com>
 - 22) [128789] Subject: End fed wire
by John R Kirby <n3aaz-qrp@juno.com>
 - 23) [128790] this is a test
by "Francisco Hernandez Alonso" <co2ha@jcce.org.cu>
 - 24) [128791] Re: Four Band K1 and antenna (Test Session) [Long]
by W2AGN <w2agn@w2agn.net>
 - 25) [128792] Re: Four Band K1 and antenna (Test Session) [Long]
by W2AGN <w2agn@w2agn.net>
 - 26) [128793] TAC Logs Due by July 8, 2002
by "Ron Polityka" <wb3aal@fast.net>
 - 27) [128794] Praise for Jackson Harbor Press
by W2EB <w2eb@twcny.rr.com>
 - 28) [128795] Fox - Summer Hunt Teams.
by Bruce Rattray <rattray@gpfn.sk.ca>
 - 29) [128796] Re: Praise for Jackson Harbor Press
by "Paul Christensen" <w9ac@arrl.net>
 - 30) [128797] Back from Maine AT
by Steven Weber <kd1jv@moose.ncia.net>
 - 31) [128798] TenTec QRP Kit Sale
by "Jeff Davis" <ke9v@att.net>
 - 32) [128799] Re: FD: Anger over "all or none" QRP rule
by Steven Weber <kd1jv@moose.ncia.net>
 - 33) [128800] 24 Years - Long Enough
by "Jeff Davis" <ke9v@att.net>
 - 34) [128801] WTB mfj-971
by "John Dorson" <jdorson@worldshare.net>
 - 35) [128802] New K0evz e-mail address
by "wilford lindsey" <dock0evz@earthlink.net>
 - 36) [128803] QRP rigs
by Wayne Rogers <w5kdj@juno.com>
 - 37) [128804] Best all around radio
by "Karl F. Larsen" <k5di@zianet.com>
 - 38) [128805] Keyboard for QRP CW
by "georgekr5c" <georgekr5c@cablelynx.com>
 - 39) [128806] Re: Best all around radio
by W2AGN <w2agn@w2agn.net>
 - 40) [128807] Re: QRP rigs
by W2AGN <w2agn@w2agn.net>
 - 41) [128808] Re: TenTec QRP Kit Sale
by Edgar R Guillot <n5ed@juno.com>
 - 42) [128809] Re: Best all around radio
by Phil Wheeler <w7ox@earthlink.net>
 - 43) [128810] Re: Best all around radio

- by "Mike Yetsko" <myetsko@insydesw.com>
- 44) [128811] Re: Best all around radio
by Phil Wheeler <w7ox@earthlink.net>
- 45) [128812] 40 foot doublet
by Steven Weber <kd1jv@moose.ncia.net>
- 46) [128813] Re: Best all around radio
by "Mike Yetsko" <myetsko@insydesw.com>
- 47) [128814] Re: TenTec QRP Kit Sale
by "Jeff Davis" <ke9v@att.net>
- 48) [128815] Re: WTB mfj-971
by fcs@juno.com
- 49) [128816] Re: 24 Years - Long Enough
by Bob Nielsen <nielsen@oz.net>
- 50) [128817] Re: QRP rigs
by Bob Nielsen <nielsen@oz.net>
- 51) [128818] RE: TenTec QRP Kit Sale
by "Randall" <Firefox67501@cox.net>

Date: Sun, 30 Jun 2002 02:03:37 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'w8diz@fpqrp.com'" <w8diz@fpqrp.com>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [128768] RE: VX0 freq shift problem
Message-ID: <01C21FDA.5964B920.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I don't think I had the jump problem on this circuit, which I built as part of your Multi-pig PLL. I got about 5 kHz range. I did have a problem with the range being too much on the high side of the crystal's nameplate frequency. Your inductor is about 10 uH, I think. I added another couple turns and made it 15 uH, shifting my tuning range down and also increasing the tuning range to 8 kHz overall. At this point, my oscillator wouldn't jump but it did STOP--when the tuning voltage exceeded 6.1 VDC. I decided to live with that.

Speaking of VXOs--in the Atlanticon Compendium, K8IQY said he didn't think anyone else had tried one as a source for crystal evaluation. I HAD tired it, but in that case I did get the dreaded frequency jump and mode changes giving gnarly looking waveforms, so my effort was not successful. But this is apples and oranges, as Jim was looking for just a few hundred hertz shift and Diz needs a bunch more.

No doubt you've looked at the discussion in <http://www.qsl.net/7n3wvm/suervxo.html> on the "Super Japanese VX0".

I'll be interested in hearing about what you learn on this.

72--Nick, WA5BDU

-----Original Message-----

From: w8diz [SMTP:w8diz@fpqrp.com]

Hi Gang,

To those of you that have designed VXO circuits...I need some help...

As I change the varactor voltage from min to max, about half way the frequency of the VXO jumps. Here is the circuit:

<http://65.27.216.57:81/vxo.gif>

Date: Sat, 29 Jun 2002 12:19:02 -0700

From: "Alan Kaul" <alan.kaul@worldnet.att.net>

To: <rattray@gpfn.sk.ca>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [128769] "all or none" QRP rule

Message-ID: <001501c21fa1\$d91939e0\$9441cd18@charterpipeline.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Most of the rules for all of the contests were written before computer logging. Which probably means that KISS (keep it simple, stupid) was the design imperative.

But the advent of logging-software, and log-checking software, makes anything possible with a little rewriting of the program.

For example, instead of logging Field Day as one complex listing of all the QSO's of the multi-multi stations together, you might be able to convince the League to change the rules to allow the individual component stations to log separately -- i.e., calculate the scores for each station separately, then add them all together before applying the various bonuses for public demonstrations, etc.

If you want to change the contest rules, the ARRL has a contest advisory committee. Start by e-mailing your league Section Manager or Division Director

(addresses in the front of QST, or probably on the website --- hint: it is usually his/her call followed by @arrl.org !!). Tell him/her how you want the contest rules to be revised, and ask for the names and e-mail addresses of the members of the contest advisory committee.

As a side note: I protested to my ARRL Div Dir and Asst Dir after the June-VHF contest that there was no 5W QRP category for home QTH operations.... and encouraged some friends to do the same. They both got 4-5 e-mails, and wrote back that they were in agreement and would raise the issue. As it turns out, one of them is also a member of one of the advisory committees (I think it was Contest Advisory, but I deleted the e-mail -- so I cannot verify WHICH committee!).

A BIG PLUS: A change in the rules for this contest would allow competition within the clubs for most QSO's, most miles per watts, etc., and perhaps make Field Day more interesting for everyone!

72/73 de alan

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Sat, 29 Jun 2002 14:26:56 -0400 (EDT)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: Robert Armstrong <barmstrong@sisna.com>
Cc: qrp-l <qrp-l@lehigh.edu>
Subject: [128770] Re: FD: Anger over "all or none" QRP rule
Message-ID: <Pine.LNX.4.44.0206291410470.2851-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I don't think it's a stupid rule. It's a rule designed to "simplify."

(Note to ARRL - the scoring system is set up for simplicity's sake. But since it's all via honor system today anyway, and it's not even a contest, then why not allow differently-powered segments of a multi-xmitter station to exist?)

That said...in favor of achieving club harmony...

If it were a TRUE contest, everybody would have to have made all contacts at the same power. If during sweepstakes you make a single 1500w QSO and 1999 more at 1 watt, you get credit as a high power station. Makes sense, in a way. It's a CONTEST.

As for Field Day though, it's an exercise, not a contest.

The idea is to get people together to enhance skills in less-than-ideal conditions. Given that it's not a contest, evidenced by the fact that you can put together a class 25A station and "win" by virtue of being the only station in class 25A (24A and 26A are listed differently), it's not a competition as there are no prizes other than bragging rights.

The idea is for people to have fun. I personally find my challenge in doing the most with the least. Some people require easier QSOs at higher power levels (I personally recommend switching from SSB to CW/PSK31 and you'll gain 13 db immediately without adding power). My thought is that since it's a chance to improve my skills, I want to set myself up for the worst - and having a small transmitter, decent antenna, small battery, and solar panel is the closest I'll get to an emergency setup (other than my mobile station).

Within a multi-xmitter station, there CAN be QRP elements; as the operator YOU know how many QSOs you worked and at what power level. Being that it's not a contest, nobody can WIN anyway, so whether your QSOs are worth 4 or 10 points apiece really shouldn't matter THAT much.

If it DOES matter that much, perhaps there can be two co-located FD operations, perhaps the 100w station at one end of the parking lot and the 5w station at the other end, or even in adjacent tents. So long as they don't QSO each other, I don't see it'd be that big of a deal, and then everyone would be happy.

Anyway, remember it's supposed to be fun, like baseball...and that some parents beat up other parents at youth baseball games. Just don't take it too seriously and everyone will be happy.

72,

Scott N7JI

On Fri, 28 Jun 2002, Robert Armstrong wrote:

> I need a reality check - please tell me if I am crazy.
>
> I find myself very angry about the "all or none" rule for the QRP multiplier
> on FD.
>
> Being a believer in QRP, I was a strong advocate for an all QRP FD for my
> club. I won, and I lost.
>

> QRP CW worked great, and those of us operating CW had a great time.
>
> BUT . . . the VHF/UHF guys and the SSB guys didn't have a good time and are
> angry. They wanted to run more power. Several club members told me to
> "stuff it" and dropped out a few days before FD because they don't believe
> in QRP. Many bad feelings resulted.
>
> I don't understand why the rules won't allow QRP contacts to score as QRP
> and low power contacts to score as low power multipliers. Why does the
> entire entry have to be QRP or none at all?
>
> Wouldn't it make as much sense to rule that one SSB contact requires ALL the
> contacts to score the phone multiplier instead of the CW?
>
> I thought that one of the reasons for FD was to acquaint hams with a variety
> of ways to make emergency contacts. This rule pits QRP guys directly
> against the QRO crowd in a big way. It discourages people from trying QRP
> unless they are already dedicated to it.
>
> I think we should complain to the ARRL and see if they will change this
> STUPID rule. Am I crazy?
>
> Bob, N7XJ Utah
>
>
>
>
>

--

Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Sat, 29 Jun 2002 15:19:19 -0400
From: "Michael C. Boatright" <ko4wx@mindspring.com>
To: qrp-l@lehigh.edu
Cc: w8diz@fpqrp.com
Subject: [128771] Re: VX0 freq shift problem
Message-ID: <5.0.2.1.2.20020629150303.02358d90@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Diz,

According to ECS:

"A crystal has two frequencies of zero phase...The first, or lower of the two, is the Series Resonant Frequency, denoted as (f_s). At this point, the crystal appears resistive in the circuit, impedance is at a minimum and current flow is maximum. As the frequency is increased beyond the point of series resonance, the crystal appears inductive in the circuit. When the reactances of the motional inductance and the shunt capacitance cancel, the crystal is at the frequency of Anti-resonance, denoted as (f_a). At the point, impedance is maximized and current flow is minimized."

The specific document that this quote is taken from has a Figure D, Reactance vs. Frequency Curve, and shows a jump in frequency that occurs at the point of Anti-resonance. Just past this point, and the frequency again increases, but in a curve inverse from the curve prior to reaching the Anti-resonance point.

Check out: http://www.ecsxtal.com/pdf/quar_des.pdf for some VERY good info on crystal load capacitances, pulling crystals, etc.

72 de Mike, K04WX
Michael C. Boatright

Date: Sat, 29 Jun 2002 17:08:54 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: mike@rioux.org,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128772] Re: OT: Shipping rigs overseas
Message-ID: <5.1.1.6.2.20020629170508.00acb850@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

There are two absolutes: 72 inch "girth" (height + width + depth) and 44 lbs. I just shipped an R-390 (in several packages) to China... dunno about it getting there (and won't know for another 4 to 6 weeks.) I am pretty sure that the numbers above apply for any International USPS shipment. If you'd like to spend \$300 or more, they might not apply to UPS/etc. Air Freight.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Sat, 29 Jun 2002 14:51:42 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "ncarc-1" <ncarc@mailman.qth.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,
Subject: [128773] SUPERFEST 2002 Update: Super Sizing the Main Door Prizes
Message-ID: <000b01c21fae\$c6ece660\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

BIG! It's the American way! So we're not just offering 3 main door prizes this year, we're giving away 4!!! That's a whopping 33.333% increase in cool, way cool, stuff! Beside what you'll find on our website at: <http://www.radioactivehams.com/superfest/prizes.html> I'm pleased to announce, that we added: ACE-HF a new HF propagation prediction software package (and not the standard version mind you, we're offering the PRO version)

"ACE-HF is a new HF propagation prediction software package for the amateur radio community. ACE-HF is professional PC software for hams that uses the latest VOACAP program as a computational engine. ACE stands for Animated Communication Effectiveness - the key feature that shows movie-like coverage maps animated in time or frequency. ACE-HF is now available via the internet and may be reviewed and ordered from <http://www.acehf.com>.", SB.

Pretty cool, huh? There more...

ACE-HF is authored by a small firm right here in Colorado. The owners of ACE-HF are Richard and Sue Buckner of Estes Park, and they will be at Superfest 2000 demonstrating their software. Look for them near the QRP Corner.

BTW: When I spoke with Sue she tells me they will be offering ACE-HF at a discount price during Superfest.

Now how cool is this??

73, Rod NØRC

Date: Sat, 29 Jun 2002 14:02:34 -0700
From: John Rollins <kd7bcy@teleport.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [128774] Re: Ham Radio SW for the Mac Qs
Message-ID: <a05111700b943cf2602ef@[216.26.6.100]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Before everyone gives up on the Mac(BTW, older PowerMac models with a serial port work great and aren't THAT slow yet), anyone who is interested is invited to join the ham-mac mailing list at qth.net. To join or look through the archives, go to
<http://mailman.qth.net/mailman/listinfo/ham-mac>.

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/-----\
| <http://jrollins.tripod.com/> |
| KD7BCY kd7bcy@teleport.com |
\-----/

Date: Sat, 29 Jun 2002 15:11:16 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [128775] End fed wire
Message-ID: <Pine.LNX.4.44.0206291448550.2941-1000000@Daisy.dog>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I started out as a kid with a war surplus mast on the roof of my parents home. I fed a wire running between this mast and a distant telephone pole with 600 ohm feed line. The feedline went to a antenna tuner which was a plug-in coil across a dual gang capacitor. The transmitter was coupled by swinging coil at the center of the plug-in coil and the 600 ohm line was tapped onto the plug-in coil.

I had coils for 80,40, 20,15 and 10 meters. With some difficulty I was able to load my 1000 watt CW signal on every band to about 1000 watts input power. On some bands I could draw a 3 inch arc from the tuner with a pencil. Others it was not hot at all.

Reading my old ARRL Antenna Book, it says this antenna will work fine IF the feedline and the antenna are 1/2 wavelength long. I'm certain the feedline and antenna were never exactly 1/2 wavelength long but the antenna seemed to work fine. Was this because of the high power? Or does this antenna really radiate well?

I want to try the intentional none resonant 44 foot antenna fed with a random length of 300 ohm at the end of the antenna. I have finished my QRP tuner with a 1:1 balun input and it works fine with my FT-817 which has a built in SWR meter. My center fed dipole with 450 ohm line tuned up on 7.240 MHz with this tuner.

Do you have any data on using a end fed wire on all bands? Sure like to hear your results.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Sun, 30 Jun 2002 08:10:15 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [128776] Electronics 100 Project
Message-ID: <5.1.0.14.0.20020630075758.009ef9c0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

For those of you that have been around for the last couple of years (maybe 3 years now) you will remember the Elmer 101 project involving Dave Benson's SWL-40+ transceiver.

I have started in on the old Mark II transceiver that Dave did in Jan 1993 and Jan 1994 issues of the QRP ARCI Quarterly and working on explaining each section in detail as well as doing the math to show how to do conversion of a rig from one band to another. By the time I finish we will have all bands from 160 to 10 meters and even have a setup to do the new band when it becomes available. I heard some one at the ARRL way up the organization say by the end of this year, so keep your fingers crossed. This was at Dayton by the way.

So I need a few brave souls to read my material as I produce it on the web. This is going to take some time but I plan to do at least two sections per week. Along with the new camera I think I have gotten some good close ups and would like your comments on same.

Direct email if you don't mind. If you have the equipment I'd like some one other than my self to run through the labs and check for errors on my part. The plan is to do everything using Manhattan Style building but there still may be a set of boards available from FAR circuits that could be used by those that don't want to go through the route that I have chosen. This is work in progress and it will take some time, so hang on for the ride.....

FYI and Film at 11.

dit dit es tn timer,

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

Sat Jun 29 23:48:41 UTC 2002
11:48pm up 73 days, 21:27, 1 user, load average: 0.00, 0.00, 0.00

This output from ASUS 1.2GHz AMD DURON system running SuSE 8.1 on UPS

Going for one year+ without a reboot.....

Date: Sat, 29 Jun 2002 19:58:09 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ".G-QRP Club" <GQRP@egroups.com>, ". QRP-L" <qrp-l@lehigh.edu>,
". NJ QRP-L" <njqrp@njqrp.org>, <elecraft@mailman.qth.net>
Subject: [128777] Four Band K1 and antenna (Test Session) [Long]
Message-ID: <002601c21fc8\$f1582080\$913c5cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

About a month ago I posted an e-mail about a doublet type antenna and a Elecraft K1 four band radio with built in tuner. The bands that I have are 40, 30, 20 & 15 meters. I was using 350 ohm mini-ladder line and I had problems tuning certain bands. Well today I had an opportunity to do some extensive testing. Thanks to Len, N2BSC, I had a place to do a four hour testing session.

I was looking to use my 66' doublet with a short transmission line for use on the Appalachian Trail. Well to my surprise I have found a good usable length. The average height that the antenna usually is when out on the trail is around 12' to 14' up in the air. Here are the results of my test.

I did not have a 25' length of 350 ohm mini-ladder line to use but I did test one length of what I had made up.

Antenna Height: 12'6" @ center
Distance away from center of antenna: 18'

I used the 350 ohm mini-ladder line 15' in length connected directly to the back of the K1 with a BNC to Binding Post connector. The SWR's were high and the internal tuner was working hard. It did not achieve a low SWR to my satisfaction, 1.5 to 1 or lower. This was with a 4 to 1 balun and with out one connected.

The following test were with 300 ohm twin lead connect to the K1 directly with the BNC to Binding Post connector and no balun.

Length
of 300

twin lead	25 '	24'	23'	22'
7.040	1.1 to 1	1 to 1	1 to 1	1 to 1
10.106	1 to 1	1.1 to 1	1 to 1	1.1 to 1
14.060	1.2 to 1	1 to 1	1 to 1	1.1 to 1
21.060	1.1 to 1	1 to 1	1.1 to 1	1 to 1

Length
of 300

twin lead	21 '	20'
7.040	1.1 to 1	1 to 1
10.106	1.1 to 1	1 to 1
14.060	1.2 to 1	1 to 1
21.060	1 to 1	1 to 1

Length
of 300

twin lead	& 30" of RG174	& 30" RG8
7.040	1.1 to 1	1.1 to 1
10.106	1 to 1	1 to 1
14.060	1.7 to 1	1 to 1
21.060	1.3 to 1	1.2 to 1

Length
of 300

twin lead	& 30" of RG8X	& 25' of RG8X turned into a 6" wide 10
turn balun		

7.040	1.1 to 1	8.1 to 1
10.106	1 to 1	1 to 1
14.060	1 to 1	1 to 1
21.060	1.2 to 1	1.3 to 1

Length
of 300

twin lead	with 4 to 1 balun	with 4 to 1 balun and 30" of RG8
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7.040	1.1 to 1	1.1 to 1
10.106	3.9 to 1	3 to 1
14.060	1 to 1	1 to 1
21.060	1.3 to 1	1.1 to 1

Length
of 300

twin lead with 4 to 1 balun
 and 29" of RG8

7.040	1 to 1
10.106	1 to 1
14.060	1 to 1
21.060	1.3 to 1

The reason for the short length of RG8 or RG8X is to bring the antenna inside the tent when camping. If anything is close to the twin lead, the SWR does rise.

So it looks like I will be using the 20 feet of 300 ohm twin lead to the back of the rig when I go out hiking on the AT. But when I do some camping I will take along the RG8X. All test were performed with the antenna at the same height.

72 & Good DXing

Ron Polityka
de WB3AAL
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
 www.n3epa.org/
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI QRP #153
VA QRP Society #45	MI QRP #1703
K2 sn1392	NJ QRP #179
K1 sn 1011	

Date: Sat, 29 Jun 2002 20:13:41 -0400 (EDT)
From: Chris Cartwright <ccart@phideaux.com>
To: QRPL List <qrp-l@lehigh.edu>
Subject: [128778] KD1JV on the AT in ME?
Message-ID: <Pine.LNX.4.33.0206292012000.7559-100000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anyone heard Steve? I've been sweeping 15.050 to .065 without a trace of him. Lot's of what seems to be county hunter nets, but no KD1JV.

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Sat, 29 Jun 2002 20:38:20 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [128779] Round key/paddle dust covers
Message-ID: <5f.29b08f10.2a4facfc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Got good news that Steve, WB3EVL will soon be making round dust covers for paddles/keys

His site is <http://www.qth.com/dustcovers/>

Guess I can take that baggie off my March paddle now (grin)

Alan KB7MBI in Woodinville, WA
FISTS 5702 Proud member of ARRL

Date: Sat, 29 Jun 2002 20:36:32 -0400
From: "Joe Everhart" <n2cx@voicenet.com>
To: "qrpl" <qrp-l@lehigh.edu>
Subject: [128780] Re: VX0 freq shift problem
Message-ID: <003301c21fce\$2f9c6d60\$cf2f67cf@n2cxtoy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Diz,

Design of VX0's is a non-trivial exercise. For homebrewers it is a cut-and try proposition. Commercial ones use xtals made specifically for the purpose. It is not unusual for amateur ones to exhibit some

strange phenomena

One thing that has proven quite successful for me is to experiment with the value of the series choke. Different xtals (even the same frequency) require tailoring of the choke value to get mazximum pulling range without non-linear frequency jumps.

I've acheived best pulling range with varicaps that had a much higher min/max capacitance range than the MV209. The latter, I beleive has only about at 3:1 range. Better ones (costing many \$\$) feature a 10:1 ratio.

I'm not sure what your application is, but quite often the old reliable mechanical capacitor (if you can find em!) is a better choice.

One very important factor to consider is the shunt capacitance of the series choke. Toroids tend to have high self-capacitance and give poorer results than even low-Q molded soleniodal chokes. And to lessen capacitance even more, I've resorted to multiple chokes in series.

Good luck and...

72/73,

Joe E., N2CX

Date: Sun, 30 Jun 2002 10:41:42 +1000
From: "Ian C. Purdie" <ianpurdie@integritynet.com.au>
To: w8diz <w8diz@fpqrp.com>, fpqrp-l@fpqrp.com
Cc: qrp-l@lehigh.edu
Subject: [128781] Re: [fpqrp] VX0 freq shift problem
Message-ID: <3D1E53C6.3BD4E0B3@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

w8diz wrote:

>
> Hi Gang,
>
> To those of you that have designed VX0 circuits...I need some help...

Diz,

It's not a circuit I'm familiar with.

As Bill said from the site:

<http://www.qsl.net/7n3wvm/supervxo.html>

"As you vary the frequency, you might observe a sudden skip of the frequency with hysteresis. This phenomenon can be cured by putting a 10- to 30- kilohm resistor in parallel to the inductor"

I also took particular note that he also mentioned earlier:

"I tried super VX0's with various types of inductors of the same value, and found that inductors with larger physical size seem to work better"

This suggests to me that the "Q" of the inductor is a consideration.

72/73's

Ian C. Purdie

Budgewoi N.S.W. Australia - Co-ords S33 14', E151 34'

VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91

<http://www.electronics-tutorials.com/>

Date: Sun, 30 Jun 2002 02:32:02 +0000

From: Larry Cahoon <lejek@erols.com>

To: ham@w3eax.umd.edu,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [128782] Re: FD: Anger over "all or none" QRP rule

Message-ID: <5.1.0.14.0.20020630022954.029340b0@pop.erols.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

>

>If it DOES matter that much, perhaps there can be two co-located FD
>operations, perhaps the 100w station at one end of the parking lot and the
>5w station at the other end, or even in adjacent tents. So long as they
>don't QSO each other, I don't see it'd be that big of a deal, and then
>everyone would be happy.

Not because it matter, but because it was fun that is about what we
did. If I can get the logs for the QRO stations I'll send in two for the
club - SMARC-1 and SMARC-2. One will be QRO commercial power, and the
other will be QRP battery power.

73 de Larry.....WD3P in MD
<http://www.wd3p.net/>

Date: Sat, 29 Jun 2002 23:29:00 -0400 (EDT)
From: George Gingell <k3tk@u1.abs.net>
To: QRP List <qrp-l@lehigh.edu>
Subject: [128783] Re:VX0 Jumps
Message-ID: <20020629232144.Y11254-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just finished the digest and noted the question related to the VX0 "Jumping" at certain spot in tuning. I immediately thought of the VARIable resistor doing the Tuning. I seem to recall something quite similar in the past related to certain Variable Resistors. The Older Wire Wound types in particular. I suspect that the wiper gets worn or is not high quality and loses contact in certain spots. I recall having one on the old Hearing Aid Five and I had it set to Receive W1AW at the 50 mark on the vernier, then it decided to not have a W1AW SPOT? I made some changes in the circuit and got it to work again. Moved the "BAD SPOT" to a different place on the dial. :^}

So, I suggest try another VAR Resistor and see if the results are the same?

QRPp Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and CURRENT Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems, Handyman Services,
Commercial & Residential Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

Maryland Milliwatt Club QRP Reference Library, Donations Accepted.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Sun, 30 Jun 2002 04:35:30 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: w8diz@fpqrp.com, qrp-1@lehigh.edu, fpqrp-1@fpqrp.com
Subject: [128784] Re: [fpqrp] VX0 freq shift problem
Message-ID: <F241dT7a9UqwDw0xFmf00002048@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Diz -

Have you tried an inductor in parallel across the xtals to cancel out the capacitance in the xtals???

Just an idea - got it from K8IQY while working on the 2N2/40+

72 es oo

Dennis - WB0WAO

Join the world s largest e-mail service with MSN Hotmail.
<http://www.hotmail.com>

Date: Sun, 30 Jun 2002 01:10:22 EDT
From: W2SH@aol.com
To: qrp-1@lehigh.edu
Cc: gdslagel@yahoo.com, hottell@gulftel.com
Subject: [128785] Subj: RE: Antenna idea feedback pse
Message-ID: <110.145d2878.2a4fecbe@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Thanks, Dave, for sharing the EZNEC modeling data covering a 33-foot base-fed antenna to be used on 40, 20 and 15 meters. Comparing the 15 and 30-degree take-off angles to the 45 and 60-degree take-off angles for all three

antennas, your data clearly confirms the point made in my earlier posting: A three-quarter wavelength base-fed antenna favors high angle radiation.

72/73,

Charles, W2SH

Date: Sun, 30 Jun 2002 01:10:24 EDT
From: W2SH@aol.com
To: qrp-l@lehigh.edu
Cc: n2cx@voicenet.com, w8diz@fpqrp.com
Subject: [128786] RE:VX0 freq shift problem
Message-ID: <85.1d8b60ea.2a4fecc0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

On 29 June at 2036 hours, N2CX wrote:

>>One very important factor to consider is the shunt capacitance of the
>>series choke. Toroids tend to have high self-capacitance and give
>>poorer results than even low-Q molded solenoidal chokes. And to
>>lessen capacitance even more, I've resorted to multiple chokes in >>series.

Joe is dead right on this. Distributed capacitance defeats inductance in any inductor. After all, the formula for capacitive reactance is a reciprocal, whereas the formula for inductive reactance is not.

The greater self capacitance of toroidal inductors probably results from the fact that the start of the winding comes around and is close to the end of the winding (unlike a solenoid). Also the toroid's usually permeable core increases the capacitance between the turns.

Ways to reduce self capacitance in a toroid include leaving a large gap between the start and finish of the inductor and using a low permeability core.

A clever way to reduce self capacitance in both toroidal and solenoidal inductors is to employ bank winding. This means that turn 2 fits tightly next to turn 1, but turn 3 is placed on the interstice between turns 1 and 2. Then turn 4 fits tightly next to turn 2, and turn 5 is placed on the interstice between turns 2 and 4. And so on.

Bear in mind that in the early days of radio, wavelengths used were very long. This meant huge inductors, and to make them efficient, distributed capacitance, or "negative inductance" if you will, had to be reduced.

Honeycomb windings, basket windings, flat spirals, universal coils, bank winding, splitting an inductor into sections, or "pies", and litzendraht (more commonly called litz) wire were all techniques to reduce distributed capacitance. (The present use of multiple chokes in series with a VXO crystal is similar to the use of multiple pies years ago).

A once-common electronic component, the 2.5 millihenry rf choke, used litz wire, universal winding, multiple (three or four) pies and a ceramic (negligible permeability) core. All four things were to reduce distributed capacitance.

The late W2IMB, Ken Cornell, a Lowfer guru, wrote "A New Look at the VXO", published in 73 Amateur Radio Today in March 1996. He used an FET in the simplest of oscillator circuits, the Pierce, and a 3.57945 MHz color burst crystal. He used only a variable inductor in series with the crystal. The inductor was 60 turns of wire wound in solenoidal fashion on a coil form about 7/16 inches in diameter. A ferrite rod was slid in and out of the coil to vary its inductance. When, and ONLY WHEN, the coil was wound with litz wire, he states that his frequency swing was 3.489 to 3.578 MHz. Hey, gang, that's 89 kHz , and on 80 meters!!

In my opinion, Ken's technique of using a lead screw to slide the ferrite core in and out of the coil form seems a bit tricky for the home constructor. Personally, I'd be inclined to fit a rheostat across a control winding tightly coupled to the litz wire coil in series with the crystal, and see to what extent the change in the reflected impedance would affect the litz wire coil's inductive property, and, in turn, the swing of the crystal's frequency.

72/73,

Charles, W2SH

Date: Sun, 30 Jun 2002 02:39:30 -0500
From: Edgar R Guillot <n5ed@juno.com>
To: qrp-l@lehigh.edu
Subject: [128787] embedded research
Message-ID: <20020630.023931.1916.0.N5ED@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just getting back to operating again and am building the TICK-4 keyer, and finding that embedded research isn't at <http://www.frontiernet.net/~embres/>. Are they out of business?

N5Ed Guillot

Kenner, LA
near New Orleans

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 30 Jun 2002 01:16:11 -0700
From: Conrad Weiss <radman@best.com>
To: "'Edgar R Guillot'" <n5ed@juno.com>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [128788] RE: embedded research
Message-ID: <01C21FD3.B931BBC0@209-162-48-220.thegrid.net>

Edgar,

New URL: <http://www.embres.com/>

They've got more "TICKS" than you can imagine! Great site :)!

Best,

Conrad
NN6CW

From: Edgar R Guillot[SMTP:n5ed@juno.com]
Sent: Sunday, June 30, 2002 12:40 AM
To: Low Power Amateur Radio Discussion
Subject: embedded research

Just getting back to operating again and am building the TICK-4 keyer,
and finding that embedded research isn't at
<http://www.frontiernet.net/~embres/>. Are they out of business?

N5Ed Guillot
Kenner, LA
near New Orleans

Date: Sun, 30 Jun 2002 07:36:25 -0400
From: John R Kirby <n3aaz-qrp@juno.com>

To: k5di@zianet.com, qrp-1@lehigh.edu
Subject: [128789] Subject: End fed wire
Message-ID: <20020630.073718.-213717.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

> Do you have any data on using a end fed wire on all bands? Sure
>like to hear your results.
>--
>Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> <http://www.zianet.com/k5di/>
>
>

Yes, I do . . .

Results were/are OUTSTANDING using
only one coil and one cap and
published in QRPP a few issues back.
Titled "The L Network Revisited"

Also available at . . .
<http://www.QRPP-I.com>
then got to 'QRPP PROJECTS'
then got to 'The >L< Network Revisited" - N3AAZ'

to include , , ,
both the long and short version
(end fed wire longer than 1/2 wave at operating freq / shorter than 1/4
wave at operating freq), conclusions, a 'bit of math, schematics, XMTR
protection and tuning indicator recommendations.

John
N3AAZ
FM 19 xa

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Date: Sun, 30 Jun 2002 07:41:58 -0400
From: "Francisco Hernandez Alonso" <co2ha@jcce.org.cu>
To: "_QRP-L" <qrp-l@lehigh.edu>
Subject: [128790] this is a test
Message-ID: <E170d6L-000K43-00@tinored.jcce.org.cu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

this is a test

72/73 es DX

Francisco C02HA, Internet QRP-L#1486, EL83td
co2ha@jcce.org.cu <http://frc.co.cu>

Date: Sun, 30 Jun 2002 08:16:43 -0400
From: W2AGN <w2agn@w2agn.net>
To: Ron Polityka <wb3aal@fast.net>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [128791] Re: Four Band K1 and antenna (Test Session) [Long]
Message-ID: <3D1EBE6B.9845.325BCC7@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 29 Jun 2002 at 19:58, Ron Polityka wrote:

> Hello,
>
> About a month ago I posted an e-mail about a doublet type antenna and a
> Elecraft K1 four band radio with built in tuner.

While I have not done such extensive testing, I have found the same. My antenna of choice for portable has come down to a 100' doublet, or center-fed zepp, if you will. I

feed it with cheap RS twinlead. (Haven't seen that "mini-window line). I noted right away that the feedline was very critical. After playing around, I have 2

different feedlines I
carry. One is 20' for when I throw the antenna up in a tree, like Ron does. The
other is 43', for when I use the DK9SQ mast, as I did for FD this year. I found
the antenna
tunes well from 80-10 with this feedline. (made 50+ qrp FD QSOs on 80M). With the
short feedline, it does not tune well on 80M. (Using K2, not K1).

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
_/__/__/__ ARCI, NJQRP, ARQrp,GQRP,RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Sun, 30 Jun 2002 08:18:30 -0400
From: W2AGN <w2agn@w2agn.net>
To: Ron Polityka <wb3aal@fast.net>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [128792] Re: Four Band K1 and antenna (Test Session) [Long]
Message-ID: <3D1EBED6.27023.3275F4D@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 29 Jun 2002 at 19:58, Ron Polityka wrote:

I should have mentioned, I use a W1CG (available from NJQRP Club!) 4:1 QRP Balun,
mounted directly on trhe K1/K2, to the 300 ohm twinlead.

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
_/__/__/__ ARCI, NJQRP, ARQrp,GQRP,RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Sun, 30 Jun 2002 08:59:58 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ".G-QRP Club" <GQRP@egroups.com>, ". QRP-L" <qrp-l@lehigh.edu>,
". NJ QRP-L" <njqrp@njqrp.org>
Subject: [128793] TAC Logs Due by July 8, 2002
Message-ID: <014501c22036\$0aa67880\$1b605cd1@wb3aal>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

I just finished doing a e-mail program to all those who I worked as N3EPA in the TAC Contest on June 1, 2002.

Please help keep alive the TAC Contest sponsored by the EPA QRP Club. To do this just send me your log of contacts that you made during the contest via e-mail. I will figure out your score for you.

At the moment we have only 7 entries, a log of 1 or 2 contacts could win a plaque or paper award free of charge. If the total station entering the TAC Contest is low we plan to discontinue the contest.

Help Keep the TAC Contest Alive!
Thanks,

72 & Good DXing

Ron Polityka
de N3EPA
n3epa@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
www.n3epa.org/

Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

Date: Sun, 30 Jun 2002 09:20:57 -0500
From: W2EB <w2eb@twcnny.rr.com>
To: qrp-1@lehigh.edu
Subject: [128794] Praise for Jackson Harbor Press
Message-ID: <3D1F13C9.B4B4A74C@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

About a year ago, I bought the Jackson Harbor Press Island Keyboard

Keyer. I love it and use it often.

Several months later, the owner e-mailed me stating he'd discovered a timing issue in it's operation. He offered to replace the offending IC free of charge. (I hadn't personally experienced this problem, but sent my old IC in anyway).

It took until last week for me to send the chip in, and when it returned yesterday, it contained \$1 to help compensate me for postage to get the IC to them.

I've never encountered service this good before. Kudos to them for their fine customer service.

(As everyone always says, no financial interest in the company, just a highly satisfied customer)

<http://jacksonharbor.home.att.net/islkeybd.htm>

73,

Bill

W2EB

Date: Sun, 30 Jun 2002 09:13:51 -0600 (CST)

From: Bruce Ratray <rattray@gpfn.sk.ca>

To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@lehigh.edu>

Subject: [128795] Fox - Summer Hunt Teams.

Message-ID: <Pine.LNX.4.33.0206300909060.2746-100000@neale.gpfn.sk.ca>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

...as of June 30, the is the Team lineup...

The NE-TX Tornados -

W5YR - George
W5TB - Doc
NM5M - Eric
K5DW - Don
KD5KXF - Mike

The Raiders of the Lost RF -

Rob - VE6JAZ
Dan - VE6EX
Fred = VE3FAL
Earl - VA6RF
Bruce - VE5RC

The Piggie Team -

KJ0C - Jim

The Cheeseheads -

Craig - VE4WI

WR50 - Dave
W9HL - Randy
K9DI - Wayne
W8DIZ - Diz

Jim - WA9TZE
Glenn - WE9K
Lon - W9XU
Rick - NK9G

The Cajun Thunder -

The Swamp Rats -

K5E0A - Wayne
N5IB - Jim
AA50 - Vern
N5YFC - Wayne
AC5JH - Tom

ET - N1FN
Doc - K0EVZ
Paul - K4FB
Dennis - N4DD
Tom - N1TP

...anymore Teams for the hunt?...you have until the beginning of the second hunt...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 30 Jun 2002 11:27:11 -0400
From: "Paul Christensen" <w9ac@arrl.net>
To: <w2eb@twcnj.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128796] Re: Praise for Jackson Harbor Press
Message-ID: <004401c2204a\$9b45b220\$7601a8c0@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> About a year ago, I bought the Jackson Harbor Press Island Keyboard
> Keyer. I love it and use it often.

Similar experience here. Several years ago, I e-mailed Charles at Jackson harbor with an idea to add variable weighting to his PK-series keyers. Some time later and to my surprise, I received a package with a PK chip made to

order and its weighting functioned worked perfectly. One may want to consider this chip as a direct replacement to the TiCK, or K1EL keyer chips.

-Paul, W9AC

Date: Sun, 30 Jun 2002 12:17:16 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: atrail@lehigh.edu
Cc: qrp-l@lehigh.edu
Subject: [128797] Back from Maine AT
Message-ID: <3.0.6.32.20020630121716.007a6410@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, this weekends adventure was something of a bust. Got to the shelter, set up the antenna, stirring up a swarm of black flies in the process, then went to connect up the rig. Err, where is the BNC jumper cable to go from the tuner to the rig?!!! No where to be found! Lot of good all this junk does me withtout the jumper cable! Sure enough, it's on the bench where I left it while packing up the other night :-(

So, I ended up just hanging out with the through hikers at the shelter and swapping war stories...

First thing I'm gonna do is replace the BNC jack on the BLT with a hard wired piece of RG-174 with a BNC plug on the end. Then I woun't need to remeber to pack the jumper cable! Or go back to the "Gusher" diople, which is a little easier to deal with all around..

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sun, 30 Jun 2002 11:25:12 -0500
From: "Jeff Davis" <ke9v@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128798] TenTec QRP Kit Sale
Message-ID: <005101c22052\$b651b390\$9800a8c0@N9AVG>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I received a postcard from TenTec yesterday. It seems that their 1300 series QRP transceivers for 15,20,30,40 and 80 meters are on sale.

Normally \$95 they are selling them for \$83 now thru the end of July.

72,
--
Jeff, KE9V

Date: Sun, 30 Jun 2002 13:09:53 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [128799] Re: FD: Anger over "all or none" QRP rule
Message-ID: <3.0.6.32.20020630130953.007ab7a0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Running the ARRL's definition of SSB QRP (5 W pep) durring FD is definatly a serious handy cap and a challange.

I figure if you have a decent location and a good antenna, running about 30 watts SSB would be reasonably competative and a lot more reasonable to run on batteries than a 100 watt station. Given the battery multiplier, I think this is a pretty good compermise. And of course, running QRP CW is very competitive, as we all know. The peace and quiet of not running a generator is a big selling point too. This could be a good approch to selling the idea to a club, especially those that typically run a 2x or 3x set up, which is probably 60-70% of the stations.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sun, 30 Jun 2002 13:05:39 -0500
From: "Jeff Davis" <ke9v@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [128800] 24 Years - Long Enough
Message-ID: <008601c22060\$beeede70\$9800a8c0@N9AVG>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Note to my friends:

After holding the call sign, N9AVG for 24 years, I thought it about time to give it back.

My new call is KE9V and was effective in the FCC database yesterday.

Of course, I don't know how long it will take me to remember it. I just worked a fellow on 20 cw who surely must be scratching his head. I called CQ as KE9V but by the time we had gone around a few times I was sending "de N9AVG",

72

--

Jeff Davis KE9V
(ex N9AVG)

Date: Sun, 30 Jun 2002 14:40:53 -0400
From: "John Dorson" <jdorson@worldshare.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [128801] WTB mfj-971
Message-ID: <002601c22065\$ae2a7900\$e71ef343@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Anyone out there has one and not using it and would consider selling it please contact me off the list.

Thanks
John K2JHU...
Melbourne Beach, FL
jdorson@worldshare.net
FISTS 8637, CQC 351

Date: Sun, 30 Jun 2002 14:44:40 -0500
From: "wilford lindsey" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [128802] New K0evz e-mail address
Message-ID: <4120026030194440920@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Finally made the leap away from Compuserve. Been with them for many, many years. But now I am a happy EarthLink customer. Thanks to Marshall Emm N1FN for helping me sort all this out. Please put the following address in your address book:

New address = dock0evz@earthlink.net

My XYL is concerned that this will be a tough address, especially for folks not familiar with amateur radio call signs. She may be right, but here's hoping it will be a good one. Thanks for the BW.

73,

--Doc/K0EVZ

--- dock0evz@earthlink.net

--- EarthLink: The #1 provider of the Real Internet.

Date: Sun, 30 Jun 2002 15:27:30 -0500
From: Wayne Rogers <w5kdj@juno.com>
To: qrp-l@lehigh.edu
Subject: [128803] QRP rigs
Message-ID: <20020630.152730.-39302197.0.w5kdj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Looking for a QRP rig that will operate at 1 watt/cw on 28MHZ. Any body have any comments on the Sierra rig? I presently have a K1-4.

Wayne_W5KDJ

Spring, Texas
ex-SV0WWW & TF2WJN

Date: Sun, 30 Jun 2002 14:37:38 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-1@lehigh.edu
Subject: [128804] Best all around radio
Message-ID: <Pine.LNX.4.44.0206301425150.3152-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The Yaseu FT-817 is without a doubt the best radio in my shack. I have a Radio Shack 4.7 ampour 12 volt battery in a nice nylon case that will power this radio for 2 days of solid operation. I use it like a Handi-Talkie on both 2 meters and 70 Cm. I have my often used simplex and repeater frequencies and tones used all in memory since there are 200 spaces.

Thursday morning next I will be net control for 10 hams located at key intersections where 200 runners will be coming by. The radio will be on 146.54 MHz FM.

Then at 0200Z the radio will be plugged into firm power and used on the Fox Hunt. The 500 Hz Collins CW filter will be used.

At the Fort Tuthill Hamfest I will be talking about wire antenna's and will have the radio on it's internal batteries which I will connect to all the antenna I have put up. Will attempt a contact on SSB with each antenna. I will be blasting out with 2.5 watts.

If for some reason I was able to keep just one radio it would be the FT-817.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Sun, 30 Jun 2002 15:52:38 -0500
From: "georgekr5c" <georgekr5c@cablelynx.com>
To: <qrp-1@lehigh.edu>

Subject: [128805] Keyboard for QRP CW
Message-ID: <000b01c22078\$1237b400\$af08cc18@lee>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Need help with a Dauphin small keyboard (qwerty) purchased to make use of with QRP station for CW work. It is out of the space program and has a pig-tail terminated in a six pin plug that is about 5/16" outer dia. The pin spacing is not symmetrical exactly (close).

I would like to find a mating female receptacle for it. Have exhausted all my catalogs.

Made a digital close-up as best I could. Might help.

Please respond direct and save space on QRP-L.

Thanks,

George KR5C

Date: Sun, 30 Jun 2002 17:01:04 -0400
From: W2AGN <w2agn@w2agn.net>
To: "Karl F. Larsen" <k5di@zianet.com>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [128806] Re: Best all around radio
Message-ID: <3D1F3950.12177.505BF24@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 30 Jun 2002 at 14:37, Karl F. Larsen wrote:

>
> At the Fort Tuthill Hamfest I will be talking about wire
> antenna's and will have the radio on it's internal batteries which I
> will connect to all the antenna I have put up. Will attempt a contact on
> SSB with each antenna. I will be blasting out with 2.5 watts.
>

I am sorry Ft. Tuthill is so far away. I would love to see that.

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
/ _/_ _/_ _/_ _/_ ARCI, NJQRP, ARQrp,GQRP,RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Sun, 30 Jun 2002 16:59:25 -0400
From: W2AGN <w2agn@w2agn.net>
To: Wayne Rogers <w5kdj@juno.com>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [128807] Re: QRP rigs
Message-ID: <3D1F38ED.31673.5043F50@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 30 Jun 2002 at 15:27, Wayne Rogers wrote:

>
> Looking for a QRP rig that will operate at 1 watt/cw on 28MHZ. Any body
> have any comments on the Sierra rig? I presently have a K1-4.
>
> Wayne_W5KDJ
> Spring, Texas
> ex-SV0WWW & TF2WJN

--

Sierra is a great rig, but if you just want 1 watt on 10M, why not go with the Green Mountain 10 from SWL? (Small Wonder Labs).

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
/ _/_ _/_ _/_ _/_ ARCI, NJQRP, ARQrp,GQRP,RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Sun, 30 Jun 2002 16:01:47 -0500

From: Edgar R Guillot <n5ed@juno.com>
To: ke9v@att.net
Cc: qrp-1@lehigh.edu
Subject: [128808] Re: TenTec QRP Kit Sale
Message-ID: <20020630.160147.1464.0.N5ED@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Don't see it on <http://www.tentec.com/> any special instructions?

N5Ed Guillot
Kenner, LA
near New Orleans

On Sun, 30 Jun 2002 11:25:12 -0500 "Jeff Davis" <ke9v@att.net> writes:

> I received a postcard from TenTec yesterday. It seems that their
> 1300
> series QRP transceivers for 15,20,30,40 and 80 meters are on sale.
>
> Normally \$95 they are selling them for \$83 now thru the end of
> July.
>
> 72,
> --
> Jeff, KE9V
>
>

N5Ed Guillot
Kenner, LA
near New Orleans

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 30 Jun 2002 14:11:47 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: k5di@zianet.com

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [128809] Re: Best all around radio
Message-ID: <3D1F7413.2080209@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=windows-1252; format=flowed
Content-Transfer-Encoding: 7bit

So, Karl, to put this evaluation in perspective, what other radios do you have? Do you use the 817 more on VHF/UHF or HF? I've long thought its real potential is the all-mode VHF-UHF capability -- vs. HF.

73, Phil

Karl F. Larsen wrote:

> The Yaseu FT-817 is without a doubt the best radio in my shack.
> I have a Radio Shack 4.7 ampour 12 volt battery in a nice nylon case
> that will power this radio for 2 days of solid operation. I use it like
> a Handi-Talkie on both 2 meters and 70 Cm. I have my often used simplex
> and repeater frequencies and tones used all in memory since there are
> 200 spaces.
>
> Thursday morning next I will be net control for 10 hams located
> at key intersections where 200 runners will be coming by. The radio will
> be on 146.54 MHz FM.
>
> Then at 0200Z the radio will be plugged into firm power and used
> on the Fox Hunt. The 500 Hz Collins CW filter will be used.
>
> At the Fort Tuthill Hamfest I will be talking about wire
> antenna's and will have the radio on it's internal batteries which I
> will connect to all the antenna I have put up. Will attempt a contact on
> SSB with each antenna. I will be blasting out with 2.5 watts.
>
> If for some reason I was able to keep just one radio it would be
> the FT-817.
>

Date: Sun, 30 Jun 2002 17:18:49 -0400
From: "Mike Yettsko" <myetsko@insydesw.com>
To: <w7ox@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128810] Re: Best all around radio

Message-ID: <005801c2207b\$b\$bbbbbaba0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I don't know about Karl, but I know that I still covet an 817 greatly...

If I had one, I can tell you right now it'd be my 'vhf/uhf camp rig'. Mostly just because it can. In a single package with HF. It really is a bummer that it doesn't have WX though, as what makes it appealing to me is the fact that it would be a 'single box' for that kind of situation, where I have to 'hump in' with a radio.

But camping I usually don't run anything but HF, and there the K2 is my 'camp rig'. There I take the time to cart in a more extensive HF setup with a weeklong battery kind of thing. And when I camp every other year with the Boy Scouts, I DON'T run any radios but HF from my tent. Anything else would seem too, well, like I was cheating on being at camp. Sorta like carrying a cell phone along.

Now the real reason I'd want an 817 is to mountain top on ski trips...

Mike

Date: Sun, 30 Jun 2002 14:31:03 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: Mike Yetsko <myetsko@insydesw.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [128811] Re: Best all around radio
Message-ID: <3D1F7897.7080303@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=windows-1252; format=flowed
Content-Transfer-Encoding: 7bit

Mike Yetsko wrote:

>I don't know about Karl,
>

But Karl told us about Karl!

>but I know that I still covet an 817 greatly...

>

They are getting tempting, with the prices lower these days.

73, Phil

Date: Sun, 30 Jun 2002 17:49:05 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [128812] 40 foot doublet
Message-ID: <3.0.6.32.20020630174905.007a9100@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Seeing I wasn't able to try the antenna last night, (having forgotten to pack the BNC jumper cable) I went over to the park this afternoon and set it up. But before I did, I took a look at the SWR plot with EZNEC and decided 44 feet was a little long for a 30/20 antenna and 40 feet looked better, as it's resonate just about 1/2 way between both bands.

When I went to cut a couple of feet off the wire, I noticed I had made an 88 instead of a 44 the other night. Thought it was kinda long when I set it up yesterday!

Anyway, went to the park and set it up and the BLT had no trouble giving a match on 30 and 20. 30 was kinda quiet, but did hear some weak DX. I gave a CQ on 20 and N0TU came right back running a SST at mw levels, so guess it works okay on 20 :-). Wonder if it will work on 40?

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sun, 30 Jun 2002 17:36:53 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Phil Wheeler" <w7ox@earthlink.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [128813] Re: Best all around radio
Message-ID: <008b01c2207e\$41afbec0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

> >but I know that I still covet an 817 greatly...
> >
> They are getting tempting, with the prices lower these days.
>
> 73, Phil

But the prices just went UP! Now the cheapest I see is \$629 or so,
since the 'coupon' went from \$150 to \$100. Geesh, just put the thing
out there at the 'real' price instead of these games that just make
people want to hold off...

Mike

Date: Sun, 30 Jun 2002 16:40:13 -0500
From: "Jeff Davis" <ke9v@att.net>
To: <n5ed@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [128814] Re: TenTec QRP Kit Sale
Message-ID: <003801c2207e\$ba14ab00\$9800a8c0@N9AVG>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here is a scan of the postcard that I received. No other details...

<http://www.qsl.net/n9avg/ttpostcard.jpg>

73 de Jeff, KE9V

----- Original Message -----
From: "Edgar R Guillot" <n5ed@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, June 30, 2002 4:01 PM
Subject: Re: TenTec QRP Kit Sale

Don't see it on <http://www.tentec.com/> any special instructions?

N5Ed Guillot
Kenner, LA
near New Orleans

On Sun, 30 Jun 2002 11:25:12 -0500 "Jeff Davis" <ke9v@att.net> writes:

> I received a postcard from TenTec yesterday. It seems that their
> 1300
> series QRP transceivers for 15,20,30,40 and 80 meters are on sale.
>
> Normally \$95 they are selling them for \$83 now thru the end of
> July.
>
> 72,
> --
> Jeff, KE9V
>
>

N5Ed Guillot
Kenner, LA
near New Orleans

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 30 Jun 2002 18:00:28 -0400
From: fcs@juno.com
To: qrp-l@lehigh.edu
Subject: [128815] Re: WTB mfj-971
Message-ID: <20020630.180033.-3702369.1.fcs@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Got one here ... but don't know how much to ask for it.... make offer

John...
dick w2scf
fcsww@juno.com

Date: Sun, 30 Jun 2002 15:15:18 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [128816] Re: 24 Years - Long Enough
Message-ID: <20020630221518.GA13545@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Sun, Jun 30, 2002 at 01:05:39PM -0500, Jeff Davis wrote:

> Note to my friends:
>
> After holding the call sign, N9AVG for 24 years, I thought it about
> time to give it back.
>
> My new call is KE9V and was effective in the FCC database yesterday.
>
> Of course, I don't know how long it will take me to remember it. I
> just worked a fellow on 20 cw who surely must be scratching his head.
> I called CQ as KE9V but by the time we had gone around a few times I
> was sending "de N9AVG",
>
> 72
> --
> Jeff Davis KE9V
> (ex N9AVG)

I held my previous call for almost 48 years (although I thought about changing calls several times, particularly after leaving California). When I finally switched I kept wondering if I had done the right thing. After a few months, the doubts went away. I think I only sent the old one a few times in the first week or so.

Just don't ignore the P5 if you hear him coming back to your CQ!

72/73,

Bob Nielsen, N7XY (ex-W6SWE)

Date: Sun, 30 Jun 2002 15:19:07 -0700

From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [128817] Re: QRP rigs
Message-ID: <20020630221907.GB13545@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Sun, Jun 30, 2002 at 04:59:25PM -0400, W2AGN wrote:

> On 30 Jun 2002 at 15:27, Wayne Rogers wrote:
>
> >
> > Looking for a QRP rig that will operate at 1 watt/cw on 28MHZ. Any body
> > have any comments on the Sierra rig? I presently have a K1-4.
> >
> > Wayne_W5KDJ
> > Spring, Texas
> > ex-SV0WWW & TF2WJN
>
>
> --
>
> Sierra is a great rig, but if you just want 1 watt on 10M, why not go
> with the Green Mountain 10 from SWL? (Small Wonder Labs).

Dave hasn't offered the Green Mountain series for several years. It's too bad there aren't more 10 meter QRP rigs (of course in a few years after the sunspots drop a bit more it will become evident why they aren't all that popular).

Date: Sun, 30 Jun 2002 17:32:28 -0500
From: "Randall" <Firefox67501@cox.net>
To: <n5ed@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [128818] RE: TenTec QRP Kit Sale
Message-ID: <MABBKDBHIJCIGDIMOH0BAEKBFCOA.Firefox67501@cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Speaking of kits, has anyone had any experience with the Vectronics line of QRP transceiver kits, 1320, 1330, 1340 or 1380 ?

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
Edgar R Guillot

Sent: Sunday, June 30, 2002 4:02 PM

To: Low Power Amateur Radio Discussion

Subject: Re: TenTec QRP Kit Sale

Don't see it on <http://www.tentec.com/> any special instructions?

N5Ed Guillot
Kenner, LA
near New Orleans

On Sun, 30 Jun 2002 11:25:12 -0500 "Jeff Davis" <ke9v@att.net> writes:

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> --
> Jeff, KE9V
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>

N5Ed Guillot
Kenner, LA
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End of QRP-L Digest 2602
